

89/622356  
534 Rec'd PCT/PTO 15 AUG 2000

Our Reference: VAL-487-A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:  
Serial Number:  
Filing Date:  
Examiner/Art Group Unit:  
Title:

Wolfgang Scholl and Herbert Bienert  
~~Unknown~~ 09/622356  
~~Concurrent~~ 8-15-00  
~~Unknown/Unknown~~ GRAHAM 1744  
FOUR-HINGED WIPER ARM FOR A  
WINDSHIELD WIPER SYSTEM

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Entry of this preliminary amendment before the examination of the  
above-identified application is respectfully requested.

After the claims, start a new page and insert -

ABSTRACT

5 The invention relates to a four-hinged wiper arm for a windshield  
wiper system, especially for an automobile wherein a connecting rod is pivotally  
connected to a driving arm in a first bearing point and to a control arm in a second  
bearing point. A hinged part is coupled to the connecting rod. A wiper blade that can  
be placed on the hinged part or on a wiper rod connected to the hinged part can be  
pressed against the windshield to be wiped by a spring element that is mounted on the  
four-hinged wiper arm. In order to ensure good wiping quality and low-noise  
operation over a long service period, the invention provides that the connecting rod or  
10 the driving arm or the control arm is fitted with an antifriction bearing at least one of  
the two locating points of the four hinged wiper arm. According to advantageous  
embodiments of the invention, the four-hinged wiper arm is fitted with an antifriction  
bearing on both bearing points, whereby the antifriction bearing is preferably a deep  
groove ball bearing. - -